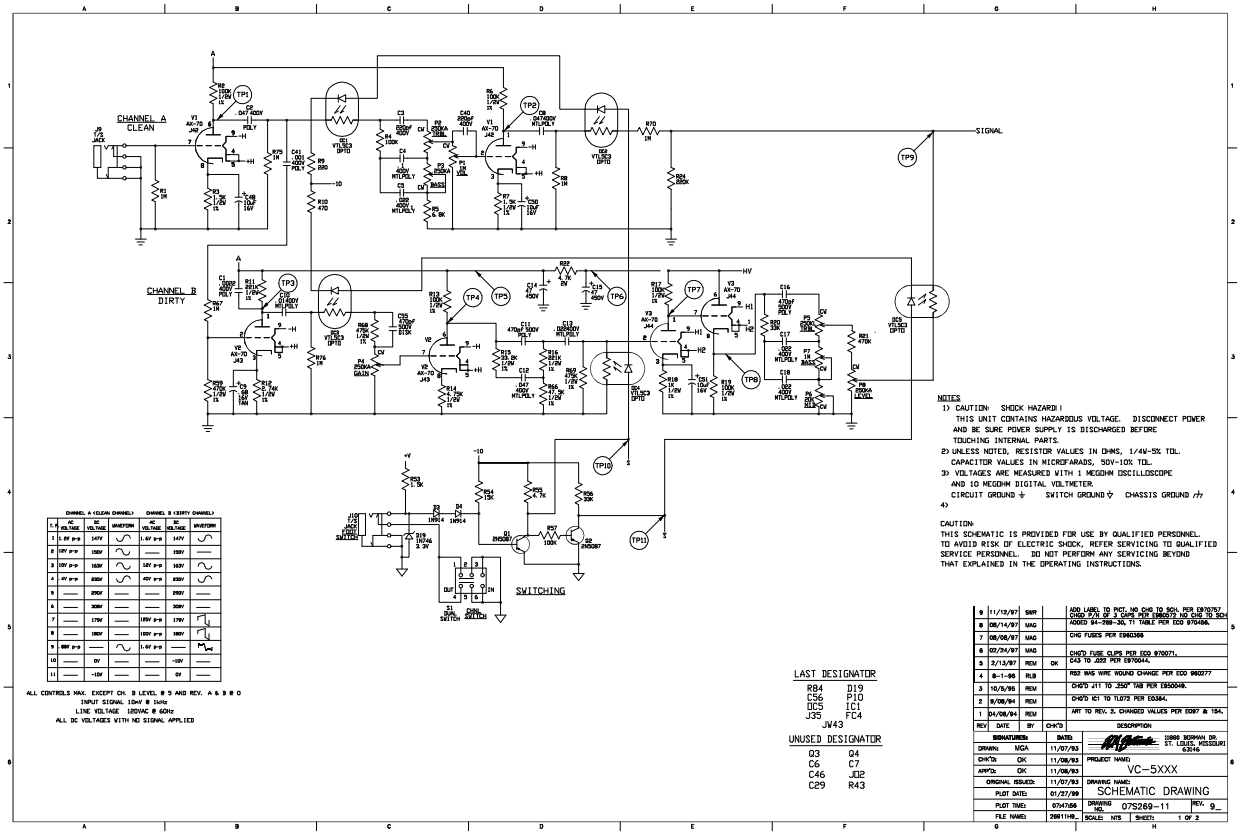

CHANNEL A
CLEAN
CHANNEL B
DIRTY
SIGNAL
HV
SWITCHING
NOTES
1) CAUTION: SHOCK HAZARD! THIS UNIT CONTAINS HAZARDOUS VOLTAGE. DISCONNECT POWER AND BE SURE POWER SUPPLY IS DISCHARGED BEFORE TOUCHING INTERNAL PARTS.
2) UNLESS NOTED, RESISTOR VALUES IN OHMS, 1/4W-5% TOL. CAPACITOR VALUES IN MICROFARADS, 50V-10% TOL.
3) VOLTAGES ARE MEASURED WITH 1 MEGOHM OSCILLOSCOPE AND 10 MEGOHM DIGITAL VOLTMETER.
CIRCUIT GROUND ⏚ SWITCH GROUND ⏚ CHASSIS GROUND
4)
CAUTION:
THIS SCHEMATIC IS PROVIDED FOR USE BY QUALIFIED PERSONNEL. TO AVOID RISK OF ELECTRIC SHOCK, REFER SERVICING TO QUALIFIED SERVICE PERSONNEL. DO NOT PERFORM ANY SERVICING BEYOND THAT EXPLAINED IN THE OPERATING INSTRUCTIONS.

	CHANNEL A (CLEAN CHANNEL)			CHANNEL B (DIRTY CHANNEL)		
	DC VOLTAGE	AC VOLTAGE	WAVEFORM	DC VOLTAGE	AC VOLTAGE	WAVEFORM
1	0.8V p-p	147V		1.4V p-p	147V	
2	10V p-p	150V		—	150V	—
3	30V p-p	163V		32V p-p	163V	
4	4V p-p	226V		40V p-p	226V	
5	—	270V	—	—	270V	—
6	—	309V	—	—	309V	—
7	—	179V	—	181V p-p	179V	
8	—	180V	—	182V p-p	180V	
9	88V p-p	—		1.4V p-p	—	
10	—	0V	—	—	-10V	—
11	—	-10V	—	—	0V	—

ALL CONTROLS MAX. EXCEPT CH. B LEVEL @ 3 AND REV. A & B @ 0
INPUT SIGNAL 10mV @ 1kHz
LINE VOLTAGE 120VAC @ 60Hz
ALL DC VOLTAGES WITH NO SIGNAL APPLIED

LAST DESIGNATOR

R84	D19
C56	P10
IC5	IC1
J35	FC4

JW43

UNUSED DESIGNATOR

Q3	Q4
C4	C7
C46	J12
C29	R43

REV	DATE	BY	CHK'D	DESCRIPTION
9	11/13/97	SWR		ADD LABEL TO PCT. NO CHG TO SCH. PER E9701757. CHGD P/N OF 3 CAMS PER EM9603?? NO CHG TO SCH
8	08/14/97	MAG		ADDED S4-2NB-36, T1 TABLE PER ECO 970408.
7	05/08/97	MAG		CHG FUSES PER E9603086
6	02/24/97	MAG		CHG'D FUSE CLIPS PER ECO 970071.
5	2/13/97	REM	OK	C43 TO .022 PER E970044.
4	8-1-96	RLB		RS2 WAS WIRE WOUND CHANGE PER ECO 960277
3	10/5/95	REM		CHG'D J11 TO .250" TAB PER E950048.
2	9/08/94	REM		CHG'D IC1 TO TL072 PER E9364.
1	04/08/94	REM		ART TO REV. 3, CHANGED VALUES PER E087 & 154.

SIGNATURES		DATED:
DRAWN:	MCA	11/07/93
CHK'D:	OK	11/08/93
APP'D:	OK	11/08/93
ORIGINAL ISSUED:		11/07/93
PLOT DATE:		01/27/98
PLOT TIME:		0747:06
FILE NAME:		2981109..

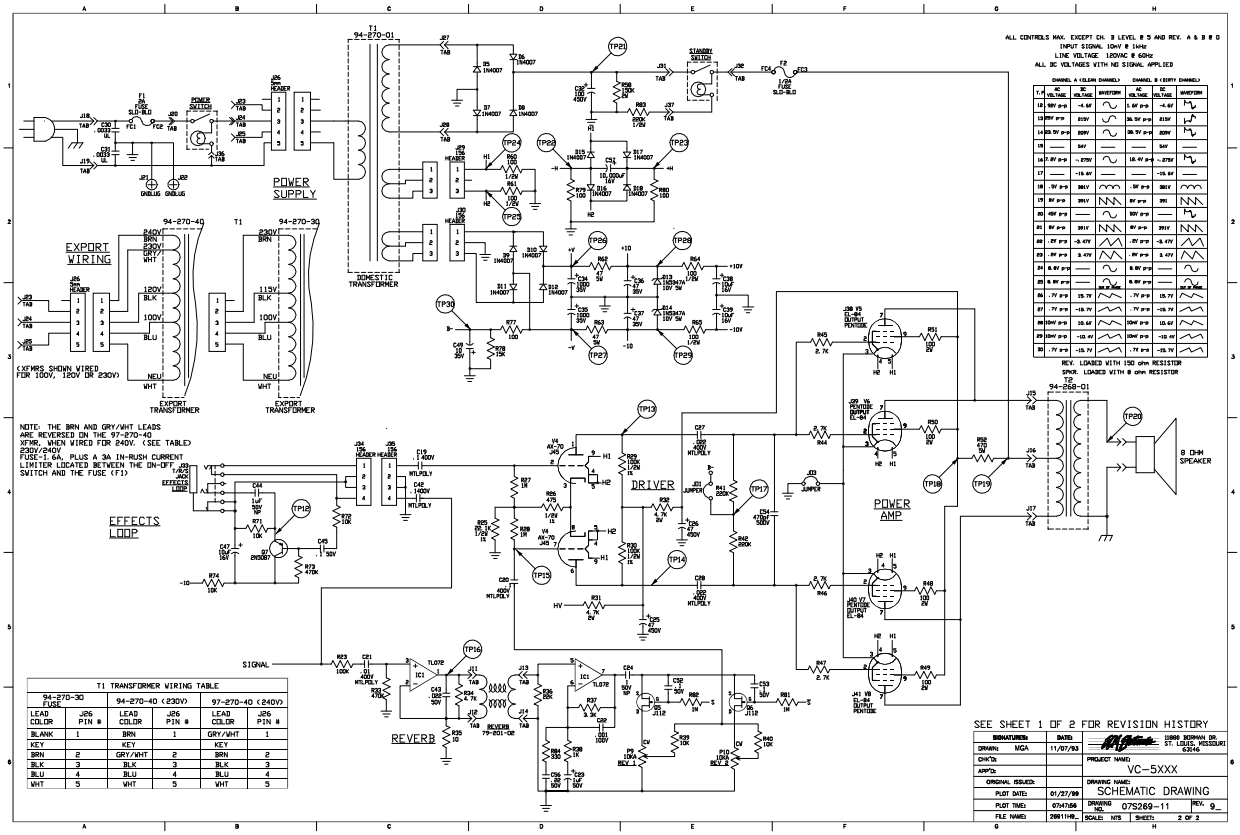
MUSIC MAN
10600 SIGMAN DR.
ST. LOUIS, MISSOURI
63146

PROJECT NAME: VC-5XXX

DRAWING NAME: SCHEMATIC DRAWING

DRAWING NO. 07S269-11 REV. 9_

SCALE: NTS SHEET: 1 OF 2


POWER SUPPLY
EXPORT WIRING
EFFECTS LOOP
DRIVER
POWER AMP
REVERB
94-270-01
94-270-40
94-270-30
94-268-01
DOMESTIC TRANSFORMER
EXPORT TRANSFORMER
EXPORT TRANSFORMER
8 OHM SPEAKER
NOTE: THE BRN AND GRY/WHT LEADS ARE REVERSED ON THE 97-270-40 XFMR, WHEN WIRED FOR 240V. (SEE TABLE) 230V/240V FUSE-1.6A, PLUS A 3A IN-RUSH CURRENT LIMITER LOCATED BETWEEN THE ON-OFF SWITCH AND THE FUSE (F1)
(XFMRS SHOWN WIRED FOR 100V, 120V OR 230V)
ALL CONTROLS MAX. EXCEPT CH. B LEVEL @ 5 AND REV. A & B @ 0
INPUT SIGNAL 10mV @ 1kHz
LINE VOLTAGE 120VAC @ 60Hz
ALL DC VOLTAGES WITH NO SIGNAL APPLIED
REV. LOADED WITH 150 ohm RESISTOR
SPKR. LOADED WITH 8 ohm RESISTOR
SIGNAL
HV
-10
+10
+V
-V
B-
SEE SHEET 1 OF 2 FOR REVISION HISTORY

T1 TRANSFORMER WIRING TABLE					
94-270-30 FUSE		94-270-40 (230V)		97-270-40 (240V)	
LEAD COLOR	J26 PIN #	LEAD COLOR	J26 PIN #	LEAD COLOR	J26 PIN #
BLANK	1	BRN	1	GRY/WHT	1
KEY		KEY		KEY	
BRN	2	GRY/WHT	2	BRN	2
BLK	3	BLK	3	BLK	3
BLU	4	BLU	4	BLU	4
WHT	5	WHT	5	WHT	5

	CHANNEL A (CLEAN CHANNEL)			CHANNEL B (DIRTY CHANNEL)			
T.P.	AC VOLTAGE	DC VOLTAGE	WAVEFORM	AC VOLTAGE	DC VOLTAGE	WAVEFORM	
1	100 mV p-p	-4.6V		1.6V p-p	-4.6V		
2	290V p-p	215V		36.5V p-p	215V		
3	68.5V p-p	205V		38.5V p-p	205V		
4	----	54V		----	54V		
5	9.8V p-p	-.27DV		18.4V p-p	-.27DV		
6	----	-15.6V		----	-15.6V		
7	.5V p-p	380V		.5V p-p	380V		
8	8V p-p	395V		8V p-p	395		
9	40V p-p	----		80V p-p	----		
10	8V p-p	391V		8V p-p	391V		
11	.2V p-p	-9.47V		.2V p-p	-9.47V		
12	.8V p-p	3.47V		.8V p-p	3.47V		
13	3.6V p-p	----		8.0V p-p	----		
14	6.8V p-p	----		6.8V p-p	----		
15	.7V p-p	15.7V		.7V p-p	15.7V		
16	.7V p-p	-15.7V		.7V p-p	-15.7V		
17	10mV p-p	15.6V		10mV p-p	15.6V		
18	10mV p-p	-15.4V		10mV p-p	-15.4V		
19	.7V p-p	-15.7V		.7V p-p	-15.7V		

SIGNATURES	DATE:		6980 SOHMAN DR. ST. LOUIS, MISSOURI 63146
DRAWN: MCA	11/07/03		
CHK'D:		PROJECT NAME:	
APP'D:		VC-5XXX	
ORIGINAL ISSUED:		DRAWING NAME:	
PLOT DATE:	01/27/09	SCHEMATIC DRAWING	
PLOT TIME:	07:47:08	DRAWING NO.	07S269-11 REV. 9_
FILE NAME:	269119B_	SCALE: NTS	SHEET: 2 OF 2